

# ENTERED



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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/750,424A

DATE: 11/19/2002

TIME: 13:10:07

Input Set : N:\Crf4\11122002\I750424.raw

Output Set: N:\CRF4\11192002\I750424A.raw

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1 <110> APPLICANT: Auf der Maur, Adrian
2     Barberis, Alcide
3     Escher, Dominik
4 <120> TITLE OF INVENTION: INTRABODIES WITH DEFINED FRAMEWORK THAT IS STABLE IN A
5     REDUCING ENVIRONMENT AND APPLICATIONS THEREOF
6 <130> FILE REFERENCE: 27656/37021
7 <140> CURRENT APPLICATION NUMBER: US/09/750,424A
8 <141> CURRENT FILING DATE: 2000-12-28
9 <150> PRIOR APPLICATION NUMBER: 09/529,307
10 <151> PRIOR FILING DATE: 2000-04-11
11 <150> PRIOR APPLICATION NUMBER: PCT/IB00/00218
12 <151> PRIOR FILING DATE: 2000-03-01
13 <150> PRIOR APPLICATION NUMBER: PCT/IB99/02054
14 <151> PRIOR FILING DATE: 1999-12-28
15 <160> NUMBER OF SEQ ID NOS: 12
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 252
20 <212> TYPE: PRT
21 <213> ORGANISM: Mus musculus
22 <220> FEATURE:
23 <221> NAME/KEY: CHAIN
24 <222> LOCATION: (1)..(114)
25 <223> OTHER INFORMATION: Variable light chain
26 <220> FEATURE:
27 <221> NAME/KEY: CHAIN
28 <222> LOCATION: (135)..(247)
29 <223> OTHER INFORMATION: Variable heavy chain
30 <220> FEATURE:
31 <221> NAME/KEY: REPEAT
32 <222> LOCATION: (115)..(134)
33 <223> OTHER INFORMATION: Glycine Serine Linker
34 <220> FEATURE:
35 <221> NAME/KEY: PEPTIDE
36 <222> LOCATION: (248)..(252)
37 <223> OTHER INFORMATION: His Tag
38 <220> FEATURE:
39 <221> NAME/KEY: DOMAIN
40 <222> LOCATION: (27)..(39)
41 <223> OTHER INFORMATION: CDR 1 VL
42 <220> FEATURE:
43 <221> NAME/KEY: DOMAIN
44 <222> LOCATION: (95)..(103)

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45 &lt;223&gt; OTHER INFORMATION: CDR 3 VL

46 &lt;220&gt; FEATURE:

47 &lt;221&gt; NAME/KEY: DOMAIN

48 &lt;222&gt; LOCATION: (165)..(169)

49 &lt;223&gt; OTHER INFORMATION: CDR 1 VH

50 &lt;220&gt; FEATURE:

51 &lt;221&gt; NAME/KEY: DOMAIN

52 &lt;222&gt; LOCATION: (184)..(198)

53 &lt;223&gt; OTHER INFORMATION: CDR 2 H

54 &lt;220&gt; FEATURE:

55 &lt;221&gt; NAME/KEY: DOMAIN

56 &lt;222&gt; LOCATION: (232)..(236)

57 &lt;223&gt; OTHER INFORMATION: CDR 3 VH

58 &lt;400&gt; SEQUENCE: 1

59	Met	Gly	Pro	Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala
60	1				5					10					15	
61	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ser	Ser	Thr	Gly	Ala
62				20					25					30		
63	Val	Thr	Thr	Ser	Asn	Tyr	Ala	Ser	Trp	Val	Gln	Lys	Lys	Pro	Gly	Lys
64			35					40					45			
65	Arg	Phe	Lys	Gly	Leu	Ile	Gly	Thr	Asn	Asn	Arg	Ala	Pro	Gly	Val	
66		50					55				60					
67	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Leu	Ile	Gly	Asp	Lys	Ala	Thr	Leu	Thr
68		65				70				75					80	
69	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Phe	Cys	Ala	Leu
70				85					90					95		
71	Trp	Tyr	Ser	Asn	His	Trp	Val	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Leu
72			100						105					110		
73	Lys	Arg	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly
74			115					120					125			
75	Ser	Ser	Gly	Gly	Gly	Ser	Glu	Val	Lys	Leu	Leu	Glu	Ser	Gly	Gly	Gly
76		130					135					140				
77	Leu	Val	Gln	Pro	Gly	Gly	Ser	Leu	Lys	Leu	Ser	Cys	Ala	Val	Ser	Gly
78		145				150					155				160	
79	Phe	Ser	Leu	Thr	Asp	Tyr	Gly	Val	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly
80				165					170						175	
81	Arg	Gly	Leu	Glu	Trp	Ile	Gly	Val	Ile	Trp	Gly	Asp	Gly	Ile	Thr	Asp
82			180						185					190		
83	Tyr	Asn	Ser	Ala	Leu	Lys	Asp	Arg	Phe	Ile	Ile	Ser	Lys	Asp	Asp	Cys
84		195						200					205			
85	Glu	Asn	Ser	Val	Tyr	Leu	Gln	Met	Ser	Lys	Val	Arg	Ser	Asp	Asp	Thr
86		210					215					220				
87	Ala	Leu	Tyr	Tyr	Cys	Val	Thr	Gly	Leu	Phe	Asp	Tyr	Trp	Gly	Gln	Gly
88		225				230					235				240	
89	Thr	Leu	Val	Thr	Val	Ser	Ser	His	His	His	His	His				
90				245							250					

92 &lt;210&gt; SEQ ID NO: 2

93 &lt;211&gt; LENGTH: 5

94 &lt;212&gt; TYPE: PRT

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95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
98     peptide
99 <400> SEQUENCE: 2
100     Gly Leu Phe Asp Tyr
101         1             5
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 6
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
109     peptide
110 <400> SEQUENCE: 3
111     Ala Gly Leu Phe Asp Tyr
112         1             5
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 20
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
120     peptide Glycine Serine Linker
121 <400> SEQUENCE: 4
122     Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser
123         1             5             10             15
124     Gly Gly Gly Ser
125         20
127 <210> SEQ ID NO: 5
128 <211> LENGTH: 33
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR upstream
133     Primer
134 <400> SEQUENCE: 5
135     ccatgggccc aagctttgca aagatggata aag
136                                     33
137 <210> SEQ ID NO: 6
138 <211> LENGTH: 85
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
143     peptide linker
144 <400> SEQUENCE: 6
145     tttgggcccg aagaaccgcc accaccagaa ccgcctccac cagagccacc accaccaggc 60
146     ctgatctctt tttttgggtt tgggtg
147                                     85
148 <210> SEQ ID NO: 7

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## RAW SEQUENCE LISTING

DATE: 11/19/2002

PATENT APPLICATION: US/09/750,424A

TIME: 13:10:08

Input Set : N:\Crf4\11122002\I750424.raw

Output Set: N:\CRF4\11192002\I750424A.raw

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149 <211> LENGTH: 12
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
154     peptide linker
155 <400> SEQUENCE: 7
156     Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
157         1             5             10
159 <210> SEQ ID NO: 8
160 <211> LENGTH: 34
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR upstream
165     primer
166 <400> SEQUENCE: 8
167     catgccatgg ttccctcaaca gcagcaaatg caac
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 39
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR downstream
175     primer
176 <400> SEQUENCE: 9
177     catgccatgg cgctagccaa agcttgggatt tttctcagg
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 29
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
185     oligonucleotide
186 <400> SEQUENCE: 10
187     cctatgactc atccagttat gactcatcg
189 <210> SEQ ID NO: 11
190 <211> LENGTH: 37
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
195     oligonucleotide
196 <400> SEQUENCE: 11
197     tcgacgatga gtcataactg gatgagtcac aggcacg
199 <210> SEQ ID NO: 12
200 <211> LENGTH: 5
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial sequence

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TIME: 13:10:08

Input Set : N:\Crf4\11122002\I750424.raw

Output Set: N:\CRF4\11192002\I750424A.raw

203 &lt;220&gt; FEATURE:

204 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: His tag

205 &lt;400&gt; SEQUENCE: 12

206 His His His His His

207 1 5

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/19/2002  
PATENT APPLICATION: US/09/750,424A      TIME: 13:10:09

Input Set : N:\Crf4\11122002\I750424.raw  
Output Set: N:\CRF4\11192002\I750424A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/09/750,424A

TIME: 13:10:09

Input Set : N:\Crf4\11122002\I750424.raw

Output Set: N:\CRF4\11192002\I750424A.raw